(7) Chrysophanus mariposa, Reakirt, Plate XXVIII, Fig. 37, *$* ; Fig, 38, ? (Reakirt's Copper).

Butterfly.— Small, with a broad dusky band on the hind wing of the male and on the fore wing of the female. The male is purplish-red above, the female bright red, with the usual spots. On the under side the ground-color of the fore wings is pale red, of the hind wings clear ashen-gray, with the characteristic markings of the genus. Expanse, i.io inch.

Early Stages.—Undescribed.

The insect ranges from British Columbia into northern California, Montana, and Colorado.

(8) Chrysophanus helloides, Boisduval, Plate XXVIII, Fig. *33>* *$*] Fig- 34» 8 (The Purplish Copper).

Butterfly.— The male has the fore wings broadly shot with iridescent purple. The female is well delineated in the plate. On the under side the fore wings are pale red, the hind wings reddish-gray, with a marginal row of brick-red crescents. The usual black spots are found on both wings. Expanse, 1.15-1.30 inch.

Early Stages.—We know next to nothing of these.

The Purplish Copper is found in the Northwestern States from northern Illinois and Iowa to Vancouver's Island.

(9) Chrysophanus epixanthe, Boisduval and Leconte, Plate XXVIII, Fig. 28, *$* (The Least Copper).

Butterfly.—The smallest species of the genus in North America. On the upper side the wings of the male are dark fuscous, shot with purple, and having a few red spots near the anal angle of the secondaries. The female on the upper side is pale gray, and more profusely marked with black spots* On the under side the wings are light gray, bluish at the base, and marked with the usual spots. Expanse, .S5-.95 inch.

Early Stages.—Little is known of these.

This is a Northern species, ranging from Newfoundland, where it is common, to British Columbia, never south of the latitude of New England.

(10) Chrysophanus hypophlseas, Boisduval, Plate XXVIII, Fig. 25, *$* ; Plate V, Fig. 49, *chrysalis* (The American Copper).

Butterfly.'- This is one of the commonest butterflies in the United States. The figure in the plate will serve to recall it to the mind of every reader. It is abundant everywhere except in